

MEAN LAKE LEVELS DURING MAY, 1927

By UNITED STATES LAKE SURVEY

(Detroit, Mich., June 4, 1927)

The following data are reported in the Notice to Mariners of the above date:

Data	Lakes ¹			
	Superior	Michigan and Huron	Erie	Ontario
Mean level during May, 1927:				
Above mean sea level at New York.....	Feet 601.96	Feet 579.14	Feet 571.95	Feet 245.95
Above or below—				
Mean stage of April, 1927.....	+0.55	+0.36	+0.20	-0.02
Mean stage of May, 1926.....	+1.78	+0.98	+0.78	+0.58
Average stage for May, last 10 years.....	+0.32	-0.99	-0.39	-0.30
Highest recorded May stage.....	-1.09	-4.38	-2.47	-3.00
Lowest recorded May stage.....	+1.78	+0.98	+0.78	+0.99
Average departure (since 1860) of the May level from the April level.....	+0.31	+0.30	+0.34	+0.33

¹ Lake St. Clair's level: In May, 1927, 574.40 feet.

EFFECT OF WEATHER ON CROPS AND FARMING OPERATIONS, MAY, 1927

By J. B. KINCER

General summary.—During the first decade rains interrupted field work in most of the interior valley States, although considerable was accomplished the first part. Lowlands continued too wet for good growth of crops, with further complaint of grains yellowing, while conditions in the Northwest were rather unfavorable. In the central and southern Great Plains the weather was rather favorable, and in the South mostly ideal conditions prevailed for field work; but it continued too dry in the Southeast and in parts of the Southwest, with a general, soaking rain needed in the former area and in parts of Texas, Oklahoma, and sections to the westward. There was further delay to field work during the second decade, due to wet soil and further rainfall, and spring planting was much behind an average season in much of the Ohio Valley and central Mississippi areas. Vegetation made slow progress, due to cool weather, in the East, but good advance was reported in the West wherever there was sufficient soil moisture. A continuation of rains kept the soil too wet for working in the Ohio and middle Mississippi Valleys during the latter part of the month, and the continued absence of rain in the Southeast and Southwest was unfavorable, with moisture urgently needed in much of these areas.

Small grains.—It was rather unfavorable for wheat during the first part of the month. The winter crop continued to make fair to very good progress in some sections, but further rains were detrimental in many interior valley districts, especially on lowlands, and there were further complaints of yellowing. Little seeding could be accomplished in the Spring Wheat Belt, but the early seeded grain made satisfactory progress. Winter wheat continued to make good to excellent advance in most of the Great Plains during the second decade, but was poor in Oklahoma due to rust, insect infestation, and scanty

River and station	Flood stage	Above flood stages—dates		Crest	
		From—	To—	Stage	Date
Mississippi drainage—Continued					
Illinois:	Feet			Feet	
Morris, Ill.....	13	(1) 21	1 29	14.4	Apr. 30
Peru, Ill.....	14	(1) (2)		17.9	May 25
Henry, Ill.....	10	(1) (2)		23.2	Apr. 21
Peoria, Ill.....	18	(1) (2)		22.8	May 26
Havana, Ill.....	14	(1) (2)		17.9	Apr. 23-24
Beardstown, Ill.....	14	(1) (2)		17.4	May 28
Pearl, Ill.....	12	(1) (2)		24.6	Apr. 23-24
Meramec:				23.9	May 28
Steelville, Mo.....	12	25	25	22.3	Apr. 26
Pacific, Mo.....	11	26	29	21.4	May 30-31
Valley Park, Mo.....	14	10	10	25.2	Apr. 26
St. Francis:				22.7	26-27
St. Francis, Ark.....	17	(1) (2)		17.7	May 25
Marked Tree, Ark.....	17	(1) (2)		18.3	May 27
Missouri:				15.6	10
Pierre, S. Dak.....	13	10	10	21.0	28
Chamberlain, S. Dak.....	14	11	11	26.4	Apr. 18
Yankton, S. Dak.....	12	11	13	20.1	May 10
Blair, Nebr.....	16	12	17	14.7	10
Omaha, Nebr.....	19	14	16	15.0	11
St. Joseph, Mo.....	12	16	17	13.5	12
Hermann, Mo.....	21	10	10	19.2	14
St. Charles, Mo.....	25	9	11	19.9	15
Floyd: Merrill, Iowa.....	13			12.1	16
Arkansas:				21.3	10
Pine Bluff, Ark.....	25	(1) (2)	3	32.4	Apr. 21
Yancopin, Ark.....	29	(1) (2)	10	48.5	20
Neosho: Oswego, Kans.....	17	8	10	17.6	May 8
Cottonwood: Emporia, Kans.....	20	8	10	22.7	9
White:					
Georgetown, Ark.....	22	(1) (2)	4	30.3	Apr. 17
Clarendon, Ark.....	30	(1) (2)	12	43.3	23
Black:					
Leeper, Mo.....	11	25	25	11.9	May 25
Williamsville, Mo.....	11			14.5	25
Poplar Bluff, Mo.....	14	7	8	14.5	7
Corning, Ark.....	11	(1) (2)	(1)	17.2	27
Petit Jean: Danville, Ark.....	20	11	11	16.2	Apr. 18
Cache: Patterson, Ark.....	9	(1) (2)	8	20.3	May 11
Yazoo: Yazoo City, Miss.....	25	(1) (2)	(2)	20.3	21
Tallahatchie: Swan Lake, Miss.....	25	(1) (2)	(2)	16.0	Apr. 19
Red:				9.0	May 19
Fulton, Ark.....	28	(1) (2)	1	37.4	19
Springbank, Ark.....	37	(1) (2)	2	31.8	5
Ouachita: Monroe, La.....	40	(1) (2)	(1)	31.8	Mar. 22
Atchafalaya:				31.1	Apr. 26-27
Melville, La.....	37	(1) (2)	(2)	31.1	May 1
Morgan City, La.....	8	26	(2)	35.0	Apr. 24
West Gulf drainage				30.2	27-28
Sabine: Logansport, La.....	25	(1) (2)	7	48.2	May 4
Trinity:				46.8	14-16
Dallas, Tex.....	25	(1) (2)	9	29.2	Apr. 19
Trinidad, Tex.....	28	(1) (2)	6	33.1	21
Liberty, Tex.....	25	(1) (2)	11	26.4	May 9
Rio Grande: San Marcial, N. Mex.....	2	(1) (2)	(2)	36.7	Apr. 29
Pacific drainage				27.4	May 9, 10, 21
Colorado:				3.8	
Fruita, Colo.....	12	19	23	12.2	19-21
Topock, Ariz.....	7	1	(2)	19.6	27
Parker, Ariz.....	9	(1) (2)	8	10.0	28
Gunnison: Delta, Colo.....	9	14	28	9.9	1
Gunnison, North Fork: Paonia, Colo.....	9	(1) (2)	(2)	10.8	17-18
San Joaquin: Friant, Calif.....	12	14	18	9.1	18
Kings, Piedra, Calif.....	12	5	5	12.9	17
Columbia: Vancouver, Wash.....	15	20	24	12.0	5
Willamette: Portland, Oreg.....	15	20	(2)	13.3	17
Clearwater: Kamiah, Idaho.....	14	17	17	16.2	21-22
				14.6	17

¹ Continued from last month.

² Continued at end of month.

³ Below flood stage at 8 a. m. May 1, 1927.